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(54) POLARIZING PLATE AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To eliminate vertical cracking and surface roughness at the time of forming a polarizing film by laminating a protective layer consisting of a thermoplastic resin to one or both faces of the polarizing film consisting of a thermotropic liquid crystalline polymer and dichromatic dye.

CONSTITUTION: The protective layer consisting of the thermoplastic resin (e.g.: polycarbonate) is laminated on at least one face of the polarizing film consisting of the thermotropic liquid crystalline polymer (e.g.: thermotropic liquid crystalline polyester) and dichromatic dye. This polarizing plate is produced by separately kneading and melting the compsn. prepd. by adding the dichromatic dye to the above-mentioned liquid crystalline polymer and the transparent resin, then forming the protective layer consisting of the transparent resin on one or both faces of the polarizing film by a co-extrusion method. The polarizing plate having the excellent polarizing performance and dynamical strength is thus obtd. by the simple method.

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